I st And Final Bill M. A. R. 57 (Rule 116) Work code. 006-17-000004

Measurement Book No. B Est cost Rs. 426401

Serial No. .....

Name of Work ..... Drilling & Borewells Providing Pump And Motor and laying & Pipeline At Hegadenagara And Thanisandra From ..... To .....

Name of Contractor of nature of Agency ..... Surrounding Area in Ward No. 06

Date of commencement of work ..... Byatarayanapura Sub division.

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work order No. BBMP/EE/BTP/WO/140/2016-17						
	Name & Contractor - Executive Engineer. KRIDL. 119 11th Cross Road. East Park Road. Malleshwaram. Bangalore. 560003.						
(1)	Geophysical investigation & Site for sinking borewell for supplying drinking water to the habitation either through the hand pump MWS or PWSS by vertical electrical						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Sounding by adopting venturi or scheme sensing method including reconnaissance survey & geological formation Geological investigation & existing ground water in vicinity - its quality quantity and acceptability formation encountered an extra depth of 1.0 mtr in consolidated formation insert proper grading & casing pipe depth & driving required to sure depth & duration proposed to tapped pressure gauge etc.. complete as per specification.						
	① Sasarinagara	1	-	-	-	1	
	② Ashwathnagara	1	-	-	-	1	
	Rate: 1938:46					2 NOS	3876:92

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

426402

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
②	Sinking & borewell & 165 mm dia char using Super Gas Hydraulic Rig & Capacity 200 PSI & above 900 CMF & above in all Strata including overburden upto 20 mtr fixing & casing Pipes Covering and cap with necessary casing threading & welding including transporting & rig & accessories vertical Crew Charges & carry & Consumables etc., complete upto yield Testing as per Specification with minimum working & compressor for one hour.	0.00 to 50.00 Mtr.					
①	Sagarinagara	1	50.00	-	-	50.00	

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MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	(2) Ashwathnagara	1	50.00	–	–	50.00	
	Rate. 315 : 18					100.00 MW	31518 : 10
(3)	50 to 100.00 MW						
	(1)	1	50.00	–	–	50.00	
	(2)	1	50.00	–	–	50.00	
	Rate. 412 : 10					100.00 MW	412010
(4)	100.00 to 150.00 MW						
	(1)	1	50.00	–	–	50.00	
	(2)	1	50.00	–	–	50.00	
	Rate. 458 : 35					100.00	MW 45835.10

(4) Returning

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 426403

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(5)	150.00 to 200.00 MTr						
	(1)	1	50.00	"	"	50.00	
	(2)	1	50.00	"	"	50.00	
						100.00 MTr	48410.00
	Page 484 : 00						
(6)	200 to 250.00 MTr						
	(1)	1	50.00	"	"	50.00	
	(2)	1	50.00	"	"	50.00	
						100.00 MTr	56032.00
	Page 560 : 32						

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MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(7)	250.00 to 300.00 MW						
	(1)	1	50.00	"	"	50.00	
	(2)	1	50.00	"	"	50.00	
						100.00 MW	
	Rate - 583:00						58300.00
(8)	300.00 to 350.00 MW						
	(1)	1	50.00	"	"	50.00	
	(2)	1	50.00	"	"	50.00	
						100.00 MW	
	Rate - 622:00						93300:00

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

426404

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(9)	350.00 to 388.00 M RV (1) (2) Rate. 658 = 00						
(10)	Supplying & LS I mark 175 mm nominal bore medium black ERW casing pipe 7.5 mm thick plain ends complete with fittings coupling welded under good workmanship						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Conforming to IS 1387/1993 and manufactured from hot rolled Steel Steel/ Swg in random lengths 3 to 7 mtr bar ends threaded conforming to IS 554 1985 one End (including all taxes)						
	(1) Shabarinagara	1	48.00	-	-	48.00	
	(2) Ashwathnagara	1	52.00	-	-	52.00	
	Rate: 1364:75					100.00	mtr
(11)	Providing and fixing 200 mm dia						1364.75
							Pre pipe and ag

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 426105

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	per Specification and Direction of Engineer incharge of the work.						
	①	1	13.00	-	-	13.00	
	②	1	13.00	-	-	13.00	
						26.00 Mtr.	
	Rate. 1133.00						29458.00
⑫	175 mm dia MS casing cap ese.. Complete as per Specification.						
	①	1	-	-	-	1	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	②	1	←	-	-	1	
						2 NOS	
	Rate - 103:00						206:10
(13)	MS Casing Pipe coering class. use. compresse as per Specification.						
	①	8	-	-	-	8	
	②	8	-	-	-	8	
						16 NOS	
(14)	Rate - 154:00						2472:00
	Supply delivery at Site brand Make Tosemo/Innovel Lusi/Sabar/Atlanta/Calamel/Weserman Radia						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

426406

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Make Sintage 1HP deep well submersible pumped set vertical installation in 100 dia bore well complete with suction pipe arrangement & pump casing column by means of stainless steel coupling to ensure 1HP with speed 2880 rpm delivered at speed on the driving motor shaft coupling submersible in duration motor Specification 3PH 50HZ 3Sel / 440 Volt AC supply fitted with required accessories Sedar Series casing pipe 20 HP horse etc. - complete as per specifications.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) Sasarinagara	1	–	–	–	1	
	(2) Ashwathnagara	1	–	–	–	1	
						2 nos	
	Rate : 75541 : 17						
							15/08234
(15)	Providing laying and galvanized Mild steel Pipe conforming to IS Specification & approved make with fittings such as coupling bends elbows tees nipple plug cock sluice valve complete with necessary jointing material and threads by joints wherever necessary as per direction including all lead						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 426407

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and lift etc.. Concrete M grade (excluding cost of steel) etc.. Concrete as per Specifications.						
	① Sasanimagara	54	6.00	-	-	324.00	
	② Ashwathnagara	52	6.00	-	-	312.00	
	Rate - 530.00						

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MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(16)	Providing and fixing heavy duty Coccens.						
	(1)	54	-	-	-	54	
	(2)	52	-	-	-	52	
						106 nos	
	Rate. 159:10		limited to			92 nos	
							14628:10
(17)	Supplying and drawing 3 Core PVC Sheathed Segmental Pump Cable manufactured with electrolytic grade copper with flexible copper Conductor Conforming to Table 3 clause 3.2.3 IS 8130-1984 and unarsis Grade PVC insulation and						

Drawing

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426408

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Shearhead Service for working voltage up to 1100 volts in Saimm & 56 stands 0.3 mm dia PVC Electrical ese.. Complete as per Specification.						
	① Sagarinagara	1	678.00	-	-	678.00	
	② Ashwathnagara	1	322.00	-	-	322.00	
						1000.00 Mtr	
	Page. 181:00						181000 + 40

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(18)	Supplying and delivery of 08 size Board mcb (Essen) Losig Sensores / Adarsh CIC consoles best indigenous make Complete energy meter Cum control Panel Board unit of size 1200 x 600 x 300 mm minimum Approved Spring and Vermin and water proof the unit shall have two doors Suitable for operation of 3ph 50 Hz 380/440 volts AC Supply with Spring loaded Cabel locking with a key this shall be Provided the Complied energy meter Cum Control Panel Board unit Suitable for operation on 3ph 50 Hz 380/440 AC Supply shall be considered as Complete Panel Board for Suitable Pump Set 6.00 HP to 15 HP.						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 426409

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) Saseerinagara	1	-	-	-	1	
	(2) Ashwathnagara	1	-	-	-	1	
						2 nos	
	Rate - 14800 : 00						29600 : 00
19	Fabricating supplying and mounting MS Box of 16 SWG Suitable for 300 x 1 wall mounting Surge weather proof with Provision for seeing her description (providing with hinged						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Supply Cover carriage and Jumper pins locking arrangements with suitable size clamps where necessary Cable Entry Pipe with gland and box Ground terminal 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc. complete bore to 21600 Sqcm etc-complete.						
	(1) Sabarimalai						
	(2) Ashwathnagar						14960.00
	Rate · 0·34					14960.00 Sqcm.	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

426410

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
20	Providing and fixing 6 clamps GI & and Gonweee cap to me pump (MR).						
		(1) 1	-	-	-	1	
		(2) 1	-	-	-	1	
						2 nos	
	Base . 690 x 10						1380 : 40
21	Supply and delivery of Grand head GI screw make non return valve of size 50 mm as per IS 778/84 with latest amendment						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	WOH ISI make (80 mm Rase wheel valve).						
		2 x 3	–	–	–	6 nos	
	Rase. 1696 : 10						10176 : 10
(22)	Supplying and delivering 3 brand new best make Rase valve 8 size 80 mm as per IS 778/84 WOH latest and new WOH ISS make 80 mm Rase make Bolgium Pipeline 80 mundra ele. Complete as per specifications.						
		2 x 3	–	–	–	6 nos	
	Rase. 1213 : 70						7282 : 20

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 426411

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(23)	Providing and fixing 3 no 90 mm GI bend to motor.	2×3	-	-	-	6 nos	1392 : 84
	Rate · 232 : 14						
(24)	Providing and fixing 3 no 90 mm GI Nipple to motor.	2×3	-	-	-	6 nos	663 : 36
	Rate · 110 : 56						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(25)	Providing and fixing 80 mm GI union to the motor.	2×3	-	-	-	6 nos	
	Rate · 237 : 12 /						1422 : 12
(26)	Labour charges for end connection.						
	(1)	1	-	-	-	1	
	(2)	1	-	-	-	1	
						2 nos	
	Rate · 400 : 00 /						800 : 00
(27)	Labour charges for erection & new / repaired submersible pumpsets along with GI pipes (32/50 mm) Cable						
	new submersible pumpsets & erection &						

Serial No.
Name
Name
Date
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1

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 426412

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Received by the pumpset ground & handed over to departments free of cost and released from departmentation (each length - 6.00 mts).						
	①	54	-	-	-	54	
	②	52	-	-	-	52	
						106 nos	
				limited to		100 nos	
	Rate : 90:64						9064:40

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(28)	Erection & commissioning all necessary mechanical and electrical interlocking arrangements for existing 1:3:6 foundation for Power board meter board with Out door type (MR).						
	(1)	1	-	-	-	1	
	(2)	1	-	-	-	1	
	Rate 495:00					2 nos	
(29)	Supplying and fixing 3 core 4 sq mm Aluminium armoured cable for connecting MCB distribution boards & repair necessary repair measuring and working						950:00

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 426413

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	As examined Ho to 63 Bmps SP.						
	①	1	-	-	-	1	
	②	1	-	-	-	1	
						2 nos	
	Page. 908 : 40						18128 : D
(30)	Supplying and laying 2 x 1 1/4 core having aluminium conductor pre insulated stressed galvanised steel wire/steel tape armoured core with pre cured sheath 1.1 kV class xlpe cable 16 sqmm core. etc.. complete.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	① Shabarimalara	1	18.00	-	-	18.00	
	② Ashwathamalara	1	20.00	-	-	20.00	
						38.00 MM	
	Rate - 169.95						6458.10
31	Digging & trenches 80.60mm x 0.00 MM wide resieving the trenches to the required ground level and consolidating ose, Concrete setting and finished						
		①	1	18.00	-	-	18.00
		②	1	20.00	-	-	20.00
	Rate - 56.65						38.00 MM 2152.70

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 426414

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(32) Supplying and fixing class A CI pipe on pole/wall/over crossing with necessary clamping arrangement for one case 8 1.1 kv class hormu.						
	(1)	1	4.00	-	-	4.00	
	(2)	1	4.00	-	-	4.00	
						8.00 mtr	2356.64
	Rate. 294:58						
	(33) Supplying and fixing 10 ft long earth electrode for providing complete with CI pipes and other equipments on the meter board using hormuda 2.90 m in length CI pipes 2.5 m long						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Earthed in a pit						
	Providing & laying charcoal 100 mm around the pipe to compose depth the connection from the pipe to the conduit pipe.. is to be established through GI wire & GI as per specification using 12mm dia GI wire mesh and checknuts etc. The pipe shall have 16 mesh holes & 12mm dia etc.. complete.						
	①	1	-	-	-	1	
	②	1	-	-	-	1	
						2 Nos	
	Rate - 1699:00						3398:00

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

426415

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(3W) Supplying and fixing LT cast iron pot heads suitable for 1.1 KV class 16 Sq mm XLPE cable fixed on reekoy bifurcation insulating compound compose with terminal clamps bolts nuts and washers etc. complete.						
	①	1	-	-	-	1	
	②	1	-	-	-	1	
						2 Nos	543:84
	Rate. 271:92						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(35)	Supply & fixing carborising conforming to IS 2834 3 Phase 400/440 Volts Grade for Power Factor Improvement & reading meter using Capacitors in PVDF Casing M/(M1						
		(1) 1	-	-	-	1	
		(2) 1	-	-	-	1	
						2 Nos	
	Rate · 1350 : 00						
(36)	Providing and fixing Iron Metal Base Wheel Valve conforming to IS Specifications & approved make as per direction including all cord and nec- Complete						2700 : 00

Drawings

M. A. R. 57 (Rule 116)
Measurement Book

No. B

426416

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2 x 3	-	-	-	6 Nos	
	Rate: 15.15.2.80.						909 h 2.80
(37)	Providing and fixing Ferro metal Gate wheel valve conforming to IS Specification & approved make as per direction including all cost etc. complete in all respects.						
(37)	Supplying and fixing 8 polished wood Board made not less than 15 mm thick Plain on both sides with Planks						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	made ours & one not more than 2 pieces and fixing the same to wood using tapered Plass Screws esc.. 8SK 20 & 20 & 2.5 inches.						
	①	1	-	-	-	1	
	②	1	-	-	-	1	
						2 NOS	
	Rate. 311:58						623:14
	Maintenance & Boreholes.						
	(A) Rewinding.						
38	Lagoon Charges & Cleaning & non functioning &						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

426417

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Submersible Pumpset along with Cable and GI Pipes. Log book Enclosed.					3100 Length	343350:00
	Rate. 109:00						
39	Transportation & Pumping Machinery. Log book Enclosed.					45 Nos	40500:00
	Rate. 900:00						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(40)	Rewinding of Submersible Pump Set. (BWSSB SR. 14.15 P. 581(A) 10 HP. Log book Enclosed.						
	Rate. 4785:00					5 Nos	23925:00
(41)	BWSSB SR 14.15 P. 581-A) 7.5 HP. Log book Enclosed.						
	Rate. 3822:0					10 Nos	38220:00
(42)	BWSSB SR 14.15.P.581-A) 12.5 HP. Log book Enclosed.						
	Rate. 5885:0					10 Nos	58800:00

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

426418

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Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(43)	BWSSB SR. 14-15 P. 58.1-A) 15.00 HP. Log book Enclosed. Rate. 5800:00					20 NOS	116000:00
(44)	Replacement of Major Parts. Pump Bowls (BWSSB SR-14-15 P. 58.1-B) Log book Enclosed. Rate. 308:00					400 NOS	123200:00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(45)	Intermediate Piece (IP) with IP Bush.		Log book Enclosed.			Loaded Bronze 45 Nos	
	Rate. 715:00						32175:00
(46)	Upper Flange.		Log book Enclosed.			45 Nos	
	Rate. 330:00						14850:00
(47)	Copper Housing		Log book Enclosed			45 Nos	
	Rate. 539:00						24255:00

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

426419

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(18)	Guide vane.						
	Cog 600 ϕ Enclosed.					200 nos	3830 : 10
	Rate. 192.50						
(19)	Impeller Sheet moulded with Aluminium Bronze.						
	Cog 600 ϕ Enclosed.					45 nos	11880 : 10
	Rate. 264.40						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(50)	Discharge outlet (90) bearing O & See Bush P.						
	Log book Enclosed.					65 nos	
	Rate. 522:00						33962:00
(51)	Pump shaft made out of stainless steel Column						
	ground with key way. (Cups & screw)						
	Log book Enclosed					35 nos	
	Rate. 660:00						23100:00

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 426420

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(52)	Pump Coupling (Stainless Steel) Cost Sook Enclosed.					45 Nos	15345:00
	Rate. 341:00						
(53)	Stud And Nuts. Cost Sook Enclosed.					200 Nos	
	Rate. 88:00						17600:00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(54)	Motor Base with pin. Log book Enclosed.					25 nos	10175=00
	Rate. 407=00						
(55)	Starter (with one year Guarantee) Log book Enclosed.					67 nos	338300=00
	Rate. 5050=00						
(56)	Rotor (with one year Guarantee)						
	Rate. 4700=00 Log book Enclosed.					30 nos	141000=00

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 426421

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(57)	Carson Housing. Cog book enclosed. Rate. 475 : 00					45 Nos	21375 : 00
(58)	Thrust bearing block assembly complete with segments bearing Pad. Cog book enclosed. Rate. 1150 : 00					45 Nos	51750 : 00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
59	oil Seal.						
	Cost 800 Le Enclosed.					45 nos	
	Rate. 125:00						5625:00
60	oil Seal Steel Bush.						
	Cost 800 Le Enclosed.					45 nos	
	Rate. 150:00						6750:00
61	T.O. Bearing						
	Cost 800 Le Enclosed					65 nos	18525:00
	Rate. 285:00						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

426422

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(62)	Steel Bush. Log book Enclosed.					325 Nos	48750:00
	Rate. 150 : 00						
(63)	Allen Screw P. Log book Enclosed.					200 Nos	5000 : 00
	Rate. 25 : 00						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
64	Pump key. (Stainless steel) Cost 800 le Enclosed.					35 NOS	4375:00
	Rate. 125:00						
65	Non return valve. (NR V) Cost 800 le Enclosed.					25 NOS	33700:00
	Rate. 1300:00						
66	Cable Guard					45 NOS	6750:00
	Rate. 150:00						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 426423

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
67	Strainer P. Log book Enclosed.						
	Page. 150 : 10					45 nos	6750 : 10
68	Brass Filter. Log book Enclosed.					45 nos	
	Page. 200 : 10						11250 : 10

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MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(69)	Lagoon Charges (over Hauling only)						
	Log Book Enclosed.					45 nos	
	Page: 556:10						25020:10 (7)
(70)	Re. erection Charges & Pumping machinery including overhauling and painting.						
	Log book Enclosed.					40 nos	
(Remarks)	Page: 950:10						38000:10

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 426424

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(71)	Lock Ring Log book Enclosed. Rate. 85:00					60 Nos	5100 : 0
(72)	Carbon Housing Log book Enclosed. Rate. 475:00					40 Nos	19000 : 0

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(73)	Top Carbon Ferrado Padding Log book Enclosed. Rate. 150:00					40 Nos	6000:00
(74)	Bearing (Gunmetal Centrifugal) Bronze Bearing Bush. Log book Enclosed. Rate. 400:00					40 Nos	16000:00

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 426425

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(75)	Circulars. Cost Book Enclosed. Page. 50 to 70. General Items.					90 Nos	4500
(76)	Supplying and Drawing 3 Core Flat Pvc Sheath Submersible Pump cable manufactured with electrolytic Grade copper with Service Copper conductor Confor						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Providing 3 cores 5 ½ (S 8130-1984 and Virgin grade PVC insulation and sheathed Suitable for working voltage upto 1100 volts in Saving ½ 56 Sq.mm 0.3 mm dia Circular. A. ICPWD Electrical SR-2010-11.						
	① Shasanagara (Balance Cable)	1	332.00	-	-	332.00 Mtr	
	② Shasa Apartments Dasarahally	1	400.00	-	-	400.00 Mtr	
	③ Cannery Badavane	1	370.00	-	-	370.00 Mtr	
	④ Dasarahally Govt School	1	150.00	-	-	150.00 Mtr	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

426426

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(5) Akashavani Buildname	1	360.00	-	-	360.00	
	(6) Pachenahary Burial Ground	1	163.00	-	-	163.00	
						1775.00 mtr	
	Rate. 185:00						328375:00
	(77) Supplying and fixing Miniature circuit breakers/ Isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as per standard up to 63 Amps DP.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Log book Enclosed.						
	Rate. 906:40					150 NOS	
							135960:00
(78)	Supplying and fixing 8 Porcelain fuse channel						
	wire cuts out on existing wooden/panel using						
	necessary nuts bolts and washers etc. complete.						
	Log book Enclosed.						
	Rate. 150:00					360 NOS	
							54000:00

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

426427

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(79)	Supplying and delivery of brand new best make non return valve of size 80 mm as per IS 778/84 with latest amendments ISI mark (80 mm Gate wheel valve. Rate. 1600:00					90 Nos	144000:00
(80)	Providing and fixing 80 mm GI Log book Enclosed. Rate. 219:00					90 Nos	

Log book Enclosed,

Send to No 208

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(81)	Providing and fixing 8 no mm GI Nipple to Motor Log book Enclosed.					90 Nos	9387:
	Rate. 10% : 30						
(82)	Providing and fixing 8 no mm GI reunion to the motor. Log book Enclosed.					120 Nos	26844:
	Rate. 223:70						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 426428

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
83	Earthwork excavation for foundation & buildings water supply Sanitary lines and electrical conduits either in pits or in trenches 1.50 mtr and above in width in hard Soil not exceeding 1.50 mtr in depth including dressing the bottom and sides of pits & trenches with lead upto 50 mtr complete as per specification. As per Pre-measurements recorded vide Page No. 426465 to 426427 in this MB					337.50 m^3	95519 = 25

Rate. 283:02

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
84	Providing and installing as per site of work 75 mm (0.662) PVC pipes & 6 kg/cm² including cutting & fitting and specials and labour including lowering with hoisting laying pipe to line level and proper curves as joints to be pipes including jointing & alignment pipe work all labour and lift charges handling charges including excavating pipe trench around loading no delay then refilling with granular excavated soil. As per Pre-measurement recorded vide Page no.- 426 168 to 426 170 in this MB Rate. 366/- 76					1000.00 Mtr	366760/-

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 426429

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(85) Resiving and lase earth around PCC lines casing in layers not exceeding 20cms in depth compacting each depressed layers by ramming after watering with head upto 20 mtr and cost upto 1.00 mtr including cost & all labour compete as per specification.						
	Ady vide item no.. (83)					337.00 m^3	
	Rate. 76:32						257.58:10

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MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(86)	Providing and fixing in position brass gate Valve (Screwed end) WORCI wheel & approved quality 50 mm nominal bore including cutting and making good the walls floors etc complete as per Specification. C/FC 28/2/2019 Log sheet enclosed. Rate. 2/20:00					16 Nos 33920:00	
(87)	Threading & GI Pipes 50 mm dia PREV SR 2012-13 Rate.					No. 15/1 No. 3-11 complete as per Specification	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 426430

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	As direction of the Engineer in charge of the work.						
	Log book enclosed.					3500.00 Threadings	
	Rate - 25:00						87500:00
					Total Rs.		4508909:00
		Add 10%			DL Charge Rs.		360713:00
		Add 1%			Cashew Cess Rs.		45089:00
					Total Rs.		4914711:00

22/2/19

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate. (1) Certified that the Conclave Establishment has not been claimed in any of previous bill. (2)						

ಸಹಾಯಕ ಅಧೀಕ್ಷಕರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ವೃತ್ತ ಬೆಂಗಳೂರು

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ
ಬಿ.ಬಿ.ಎಂ.ಪಿ.

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